

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE
Executive Engineer, Project Division, B.B.M.P., Bangalore - 92
APPROVED SCHEDULE - B

Name of Work: Widening of Shiva Mandira Temple Road from Major Sandeep Unnikrishnan Road to Yelahanka Industrial Area in ward No.03

Sl. No.	App Qty	Description	Unit	Approved Tender Rates of UDAYA SHETTY	
				Rate in figures	Rate in words
1	45.75	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20. Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	468.00	Four Hundred Sixty Eight Rupees and Zero Paise
2	4275.00	Removing and Resetting of Footpath Slab Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	40.00	Forty Rupees and Zero Paise
3	450.00	Removing B.S Slab of Drain and Stacking Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	60.00	Sixty Rupees and Zero Paise
4	1190.28	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	170.00	One Hundred Seventy Rupees and Zero Paise
5	450.00	Refixing Stone Slabs of Drains and pointing in C.M (1:3) Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	78.00	Seventy Eight Rupees and Zero Paise
6	666.00	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc. Complete. 10cms thick Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	150.00	One Hundred Fifty Rupees and Zero Paise

Signature of the Contractor

Sl. No.	App Qty	Description	Unit	Approved Tender Rates of UDAYA SHETTY	
				Rate in figures	Rate in words
7	~~15.44~~	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	~~5200.00~~	Five Thousand Two Hundred Rupees and Zero Paise
8	~~80.00~~	Providing and laying reinforced cement concrete pipe NP2 of 250mm dia for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour curing complete as per specifications. Specification No. KSRB 1000, 2300 MOST Specification No. 1000 / 2300 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Rmt	~~1250.00~~	One Thousand Two Hundred Fifty Rupees and Zero Paise
9	~~132.44~~	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. Specification No. KBS 5.1.13. Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	~~2600.00~~	Two Thousand Six Hundred Rupees and Zero Paise
10	~~175.50~~	KSRB 5-14: Providing and Constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton/sqm with cement mortar 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40X15X20 cms conforming to I.S.2185/1965 in superstructure including cost of materials, labor charges, scaffolding, curing complete as per specifications Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	~~950.00~~	Nine Hundred Fifty Rupees and Zero Paise

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K. S.

Sl. No.	App Qty	Description	Unit	Approved Tender Rates of UDAYA SHETTY	
				Rate in figures	Rate in words
11	62.70	KSRB 4-1-6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	5400.00	Five Thousand Four Hundred Rupees and Zero Paise
12	781.80	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	1760.00	One Thousand Seven Hundred Sixty Rupees and Zero Paise
13	121.50	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	5100.00	Five Thousand One Hundred Rupees and Zero Paise
14	80.00	Providing and Fixing M.S Grating of size 260mm x 260mm Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Each	100.00	One Hundred Rupees and Zero Paise
15	1280.00	KSRB 14-6-1: Providing and resetting of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm joints, final compaction of paver surface joints into its final level, including thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	934.00	Nine Hundred Thirty Four Rupees and Zero Paise

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Signature of the Contractor

Executive Engineer (Project)

Sl. No.	App Qty	Description	Unit	Approved Tender Rates of UDAYA SHETTY	
				Rate in figures	Rate in words
16	~~980.00~~	KSRRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers, using cement & coarse sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	~~415.00~~	Four Hundred Fifteen Rupees and Zero Paise
17	~~2000.00~~	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	No	~~320.00~~	Three Hundred Twenty Rupees and Zero Paise
18	~~1000.00~~	Removing and Resetting of Kerb Stones Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	M	~~63.00~~	Sixty Three Rupees and Zero Paise
19	~~1470.00~~	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	~~61.00~~	Sixty One Rupees and Zero Paise
20	~~2049.44~~	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	~~143.00~~	One Hundred Forty Three Rupees and Zero Paise

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Sl. No.	App Qty	Description	Unit	Approved Tender Rates of UDAYA SHEETTY	
				Rate in figures	Rate in words
21	597.00	KSRRB M400-6.2: Construction of granular sub-base by providing Close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with mortar grader on prepared surface and compacting with vibratory roller to achieve the desired density, complete as per specifications. A Plant Mix method For Grading II Material Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	1600.00	One Thousand Six Hundred Rupees and Zero Paise
22	1054.44	KSRRB M 400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density, complete as per specification. MORTH Specification No. 406 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	1700.00	One Thousand Seven Hundred Rupees and Zero Paise
23	4217.75	KSRRB M 500-6: Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	28.00	Twenty Eight Rupees and Zero Paise
24	18202.25	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec. Chapter 5 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	3.00	Three Rupees and Zero Paise
25	28141.75	KSRRB M500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	11.00	Eleven Rupees and Zero Paise

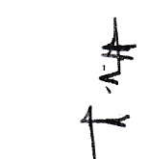
Signature of the Contractor

for
Executive Engineer (Project)
9/8/16

Sl. No.	App Qty	Description	Unit	Approved Tender Rates of UDAYA SHETTY	
				Rate in figures	Rate in words
26	286.09	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P., using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	7000.00	Seven Thousand Rupees and Zero Paise
27	896.80	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 6% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Cum	8500.00	Eight Thousand Five Hundred Rupees and Zero Paise
28	712.50	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Complete as per Specification. With all lead and lifts and directions of the Engineer-In-Charge of the work	Sqm	473.00	Four Hundred Seventy Three Rupees and Zero Paise

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Executive Engineer (Project)


 Udaya Shetty
 18/08/16

Sl. No.	App Qty	Description	Unit	Approved Tender Rates of UDAYA SHETTY	
				Rate in figures	Rate in words
29	320.00	Providing and fixing of Reflective Raised Pavement marker (RPM's) / Cat eyes / Road studs confirming to ASTM D4280 type H, having reflective panels made of prismatic lens of total internal reflection, the prismatic lens should be electronically fixed (welded) to the body made of polycarbonate mould, with a height of 20mm, size of 130mm x 105mm and reflecting area of 13sqm with the slope of retro reflective surface within the limit of 35 + 5 degree to the base on either side. The marker shape ll display an initial minimum luminous intensity of 279mcd/ lux at an entrance angle of zero degree and observation angle of 0.2 degree. The corresponding values for 20 degree entrance and 0.2 degree observation angle shall be 112 mcd / lux with color multiplying factor on either cases for white, yellow and red markers being 1.0, 0.6 and 0.25 respectively. The RPM's should be fixed by using two numbers of polymer shanks using appropriate adhesive as recommended and certified by the RPM manufacturer. The raised pavement marker should support a sufficient minimum load 13635 Kg in accordance with ministry specification. Complete as per Specification. With all lead and lifts and directions of the	No	324.00	Three Hundred Twenty Four Rupees and Zero Paise

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 Executive Engineer
 Project Division
 Yelahanka Zone
 BBMP, Bangalore-92.